

TITLE: AMERICAN JOURNAL OF PATHOLOGY

	106	1-3
	107	1-3
	108	1-3
VOLUME:	109	ISSUES: 1-3

DATE: JANUARY - DECEMBER 1982

PUBLICATION NO: 8777

NOTES: INCLUDES INDEXES AND CONTENTS

THIS PERIODICAL MAY BE COPYRIGHTED, IN WHICH CASE THE CONTENTS REMAIN THE PROPERTY OF THE COPYRIGHT OWNER. THE MICROFORM EDITION IS REPRODUCED BY AGREEMENT WITH THE PUBLISHER. DUPLICATION OR RESALE WITHOUT PERMISSION IS PROHIBITED.

UNIVERSITY MICROFILMS INTERNATIONAL, ANN ARBOR, MICHIGAN

TITLE: AMERICAN JOURNAL OF PATHOLOGY

	106	1-3
	107	1-3
	108	1-3
VOLUME:	109	ISSUES: 1-3

DATE: JANUARY - DECEMBER 1982

PUBLICATION NO: 8777

NOTES: INCLUDES INDEXES AND CONTENTS

THIS PERIODICAL MAY BE COPYRIGHTED, IN WHICH CASE THE CONTENTS REMAIN THE PROPERTY OF THE COPYRIGHT OWNER. THE MICROFORM EDITION IS REPRODUCED BY AGREEMENT WITH THE PUBLISHER. DUPLICATION OR RESALE WITHOUT PERMISSION IS PROHIBITED.

UNIVERSITY MICROFILMS INTERNATIONAL, ANN ARBOR, MICHIGAN

Index of Subjects

Volume 106, 1982

- ACTH cells**
 - pituitary, in Cushing's disease, 332
- Age**
 - and thyroid C-cell hyperplasia, 388
- Alcohol**
 - and perivenular fibrosis in baboons, 145
- Amyloidosis**
 - and AA-protein in formalin-fixed, paraffin-embedded tissues, 141
- Analgesics**
 - nephropathy from, 356
- Anaphylaxis**
 - from tobacco constituents, arrhythmias in, 318
- Animal models of human disease**
 - bioprosthetic cardiac valve failure, 136
 - chlamydial genital tract infections, 132
 - endocardial fibroelastosis, 435
 - Wilson's disease, 432
- Aorta**
 - acute stenosis affecting endothelium, 394
 - endothelial cell migration in, 180
- Arrhythmias**
 - in anaphylaxis from tobacco constituents, 318
- Bleomycin**
 - pulmonary fibrosis from, 156
- Blood vessels.** See *Vasculature*
- Bone**
 - dwarfism in Alaskan malamutes, 224
 - viral induction of avian osteopetrosis, 297
 - vitamin D metabolite affecting, 171
- Calcification**
 - of bioprosthetic cardiac valves in animals, 136
 - of renal tubular cells, in analgesic nephropathy, 356
- Carcinogenesis**
 - chemical, 271
- Central nervous system**
 - virus localization in Theiler's murine virus infection, 20
- Chédiak-Higashi syndrome**
 - platelet ultrastructure in, 364
 - and proximal nephron changes in mice, 95
- Chemicals**
 - carcinogenesis from, 271
- Chlamydial infections**
 - of genital tract, in animal models, 132
- Collagen**
 - and aortic endothelial cell migration, 180
 - synthesis in lung affected by bleomycin, 156
- Complement**
 - and endothelial injury in cardiac graft rejection, 378
- Copper toxicosis**
 - inherited, in animals, 432
- Cord factor**
 - mycobacterial, pneumonitis from, 348
- Corticotrophs**
 - cellular forms in Cushing's disease, 332
- Crooke cells**
 - pituitary, in Cushing's disease, 332
- Crotalaria**
 - pulmonary hypertension induced by, 84
- Cushing's disease**
 - pituitary ACTH cells in, 332
- Cystic fibrosis**
 - development of tracheal submucosal glands in, 303
 - and pancreatic ectasia, 342
- Cytochemistry**
 - of neoplastic histiocytes-monocytes, 204
 - of proximal nephron in Chédiak-Higashi syndrome of mice, 95
 - of T-cell malignancies, 187
- Dextran**
 - and platelet activation by fibrin, 1
- Diabetes**
 - and pancreatic islet changes in BB Wistar rats, 237
- Dimethylbenzanthracene**
 - and differentiation of tissue mast cells, 312
- Dwarfism**
 - in Alaskan malamutes, 224
- Ectasia**
 - pancreatic, in uremic macaques, 342
- Electron microscopy**
 - of endothelial injury
 - in acute aortic stenosis, 394
 - in cardiac graft rejection, 378
 - of lymphocytes with parallel tubular arrays in mononucleosis, 71
 - of nasal epithelium after HMPA inhalation, 8
 - of neoplastic histiocytes-monocytes, 204
 - of pancreatic islets in diabetic BB Wistar rats, 237
 - of perivenular fibrosis in alcohol-fed baboons, 145
 - of platelets activated by fibrin, after dextran, 1
 - of proximal nephron in Chédiak-Higashi syndrome of mice, 95
 - of renal tubules in analgesic nephropathy, 356
- Endothelium**
 - hydrodynamic injury in acute aortic stenosis, 394
 - microvascular, complement-induced injury in cardiac graft rejection, 378
 - migration of aortic cells, 180
- Epithelial cells**
 - nasal, metaplasia from HMPA inhalation, 8
- Epithelioid granuloma**
 - formation without T-cell function, 165
 - hapten-specific, 421
- Fibrin**
 - platelet activation by, dextran affecting, 1
- Fractures**
 - and bone repair affected by vitamin D metabolite, 171
- Genital tract**
 - chlamydial infections in animal models, 132

Glycoprotein

tobacco, hypersensitivity to, 318

Granulomasformation without T-cell function, 165
hapten-specific, 421**Heart**arrhythmias in anaphylaxis from tobacco constituents, 318
bioprosthetic valve failure in animals, 136
endocardial fibroelastosis in cats, 435
graft rejection with complement-induced endothelial injury, 378**Hexamethylphosphoramide**

inhalation causing metaplasia of nasal epithelium, 8

Histiocytes-monocytes

neoplastic, 204

Hypertensionpulmonary, induced by *Crotalaria*, 84**Immunohistochemistry**of pancreatic islets in diabetic BB Wistar rats, 237
and virus localization in Theiler's murine virus infection, 20**Immunology**autoimmune thyroiditis induction in rats, 300
hapten-specific granulomas, 421
hypersensitivity pneumonitis from inhaled MDP, 409**Immunoreactive cells**

pituitary, in Cushing's disease, 332

Kidneyanalgesic nephropathy, 356
proximal nephron changes in Chédiak-Higashi syndrome of mice, 95**Liver**animal model of Wilson's disease, 432
intrahepatic portal vein sclerosis without liver disease, 63
mouse hepatitis virus affecting peritoneal macrophages, 110
perivenular fibrosis in alcohol-fed baboons, 145**Lung**alveolar macrophage-particle interactions, 40
anaphylaxis from tobacco constituents, 318
bleomycin-induced fibrosis of, 156
hypersensitivity pneumonitis from inhaled MDP, 409
pneumonitis from mycobacterial trehalose dimycolate, 348**Lymphocytes**in autoimmune thyroiditis induced in rats, 300
B cells in diabetic BB Wistar rats, 237
granuloma formation without T-cell function, 165
parallel tubular arrays in, in mononucleosis, 71
T-cell malignancies, 187**Lymphomas**classification of, 30
histiocytic, 204**Macrophages**alveolar, interaction with particles, 40
peritoneal, mouse hepatitis virus affecting, 110
virus particles in, in Theiler's murine virus infection, 20**Mast cells**

in skin, affected by DMBA and TPA, 312

Melanoma

S-100 protein in, 261

Metaplasia

of nasal epithelium, after HMPA inhalation, 8

Microvasculaturecomplement-induced endothelial injury in cardiac graft rejection, 378
radiation affecting, 47**Monoclonal antibodies**

and reactivity of T-cell malignancies, 187

Mononucleosis

lymphocytes with parallel tubular arrays in, 71

Muramyl dipeptideepithelioid granuloma formation from, 165
inhaled, hypersensitivity pneumonitis from, 409**Myelin damage**

in Theiler's murine virus infection, 20

Nelson's syndrome

pituitary ACTH cells in, 332

Neoplasiachemical carcinogenesis, 271
classification of non-Hodgkin's lymphomas, 30
mast cells in experimental skin cancer, 312
histiomonocytic, 203
pancreatic adenocarcinoma line Capan-1, 250
S-100 protein in soft-tissue tumors, 261
T-cell malignancies, 187
trypan-blue-induced tumors in rats, 326**Nose**

epithelial metaplasia after HMPA inhalation, 8

Osteopetrosis

avian, viral induction of, 297

Pancreasadenocarcinoma line Capan-1, 250
ectasia in uremic macaques, 342
islets in diabetic BB Wistar rats, 237**Peptides**

pituitary, in Cushing's disease, 332

Peritoneal macrophages

affected by mouse hepatitis virus, 110

Pituitary

ACTH cells in Cushing's disease, 332

Plateletsactivation by fibrin, dextran affecting, 1
ultrastructure in Chédiak-Higashi syndrome, 364**Pneumonitis**hypersensitivity, from inhaled MDP, 409
from mycobacterial trehalose dimycolate, 348**Portal vein**

sclerosis without liver disease, 63

ProteinAA-protein in formalin-fixed paraffin-embedded tissues, 141
S-100 protein in soft-tissue tumors, 261**Pulmonary artery**hypertension induced by *Crotalaria*, 84**Radiation**alveolar macrophage response to, 40
and autoimmune thyroiditis induction in rats, 300
microvascular response to, 47**Respiratory tract. See also Lung**alveolar macrophage-particle interactions, 40
development of tracheal submucosal glands in cystic fibrosis, 303
nasal epithelial metaplasia after HMPA inhalation, 8
sudden infant death syndrome, 118**Schwannomas**

S-100 protein in, 261

Skin

mast cells affected by DMBA and TPA, 312

- Smoking**
and arrhythmias in anaphylaxis from tobacco constituents, 318
- Sudden infant death syndrome**
and role of pathologists, 118
- Tetradecanoylphorbol acetate**
and differentiation of tissue mast cells, 312
- Theiler's murine virus infection**
localization of virus in, 20
- Thymectomy**
and autoimmune thyroiditis induction in rats, 300
- Thyroid gland**
age-related C-cell hyperplasia of, 388
autoimmune thyroiditis induced in rats, 300
- Trachea**
development of submucosal glands in cystic fibrosis, 303
- Trehalose dimycolate**
mycobacterial, pneumonitis from, 348
- Trypan blue**
for tumor induction in rats, 326
- Tumors.** *See* Neoplasia
- Uremia**
pancreatic ectasia in, 342

Index of Authors

Volume 106, 1982

- Adamson IYR, Bowden DH:** Effects of irradiation on macrophagic response and transport of particles across the alveolar epithelium (January), 40
- Ahmed SA:** *See* Penhale WJ, Ahmed SA, 300
- Alexander JE:** *See* Sande RD, Alexander JE, Spencer GR, Padgett GA, Davis WC, 224
- Barnhart GR, Jones M, Ishihara T, Rose DM, Chavez AM, Ferrans VJ:** ANIMAL MODEL OF HUMAN DISEASE: Degeneration and calcification of bioprosthetic cardiac valves (January), 136
- Becker CG:** *See* Levi R, Zavecz JH, Burke JA, Becker CG, 318
- Becker FF:** *See* Ford RJ, Becker FF, 326
- Benacerraf B:** *See* Ginsburg CH, McCluskey RT, Nepom JT, Takaoki M, Falchuk ZM, Benacerraf B, Greene MI, 421
- Benson K:** *See* Meyers KM, Hopkins G, Holmsen H, Benson K, Prieur DJ, 364
- Bernier V:** *See* Wanless IR, Bernier V, Seger M, 63
- Boorman GA, Luster MI, Dean JH, Campbell ML, Lauer LA, Talley FA, Wilson RE, Collins MJ:** Peritoneal macrophage alterations caused by naturally occurring mouse hepatitis virus (January), 110
- Bowden DH:** *See* Adamson IYR, Bowden DH, 40
- Bronson RT, Strauss W, Wheeler W:** Pancreatic ectasia in uremic macaques (March), 342
- Brumbaugh PF, Speer DP, Pitt MJ:** 1 α ,25-dihydroxyvitamin D₃: A metabolite of vitamin D that promotes bone repair (February), 171
- Burke JA:** *See* Levi R, Zavecz JH, Burke JA, Becker CG, 318

- Vasculature**
aortic endothelial cell migration, 180
complement-induced endothelial injury in cardiac graft rejection, 378
endothelial lesions in acute aortic stenosis, 394
intrahepatic portal vein sclerosis without liver disease, 63
microvascular response to radiation, 47
perivenular fibrosis in alcohol-fed baboons, 145
pulmonary hypertension induced by *Crotalaria*, 84
- Virus infections**
avian osteopetrosis in, 297
mononucleosis with lymphocytes containing parallel tubular arrays, 71
mouse hepatitis virus affecting peritoneal macrophages, 110
Theiler's murine virus localization in, 20
- Vitamin D**
metabolite promoting bone repair, 171
- Wilson's disease**
animal model of, 432

- Butler JE:** *See* Richerson HB, Suelzer MT, Swanson PA, Butler JE, Kopp WC, Rose EF, 409
- Campbell ML:** *See* Boorman GA, Luster MI, Dean JH, Campbell ML, Lauer LA, Talley FA, Wilson RE, Collins MH, 110
- Carr RI:** *See* Seggev J, Goren MB, Carr RI, Kirkpatrick CH, 348
- Cetin Y:** *See* Martin R, Cetin Y, Fehm HL, Fahlbusch R, Voigt KH, 332
- Chavez AM:** *See* Barnhart GR, Jones M, Ishihara T, Rose DM, Chavez AM, Ferrans VJ, 136
- Cliff WJ:** *See* Narayan K, Cliff WJ, 47
- Colle E:** *See* Seemayer TA, Tannenbaum GS, Goldman H, Colle E, 237
- Collins MH:** *See* Boorman GA, Luster MI, Dean JH, Campbell ML, Lauer LA, Talley FA, Wilson RE, Collins MH, 110
- Crocker BP:** *See* Gibson WGH, Peng T-C, Crocker BP, 388
- Dal Canto MC, Lipton HL:** Ultrastructural immunohistochemical localization of virus in acute and chronic demyelinating Theiler's virus infection (January), 20
- Davis WC:** *See* Sande RD, Alexander JE, Spencer GR, Padgett GA, Davis WC, 224
- Dean JH:** *See* Boorman GA, Luster MI, Dean JH, Campbell ML, Lauer LA, Talley FA, Wilson RE, Collins MJ, 110
- Eguchi M, Poon KC, Spicer SS:** Alterations in the proximal nephron of beige mice with the Chédiak-Higashi syndrome (January), 95

- Emori K:** See Tanaka A, Emori K, Nagao S, Kushima K, Kohashi O, Saitoh M, Kataoka T, 165
- Fahlbusch R:** See Martin R, Cetin Y, Fehm HL, Fahlbusch R, Voigt KH, 332
- Falchuk ZM:** See Ginsburg CH, McCluskey RT, Nepom JT, Takaoki M, Falchuk ZM, Benacerraf B, Greene MI, 421
- Farber R:** REVIEW ARTICLE: Chemical carcinogenesis: A biologic perspective (February), 271
- Fehm HL:** See Martin R, Cetin Y, Fehm HL, Fahlbusch R, Voigt KH, 332
- Ferrans VJ:** See Barnhart GR, Jones M, Ishihara T, Rose DM, Chavez AM, Ferrans VJ, 136
- Fogh J:** See Kyriazis AP, Kyriazis AA, Scarpelli DG, Fogh J, Rao MS, Lepera R, 250
- Forbes RDC, Guttman RD:** Evidence for complement-induced endothelial injury *in vivo*: A comparative ultrastructural tracer study in a controlled model of hyperacute rat cardiac allograft rejection (March), 378
- Ford RJ, Becker FF:** The characterization of trypan-blue-induced tumors in Wistar rats (March), 326
- Gal R:** See Shtrasburg S, Pras M, Langevitch P, Gal R, 141
- Gibson WGH, Peng T-C, Croker BP:** Age-associated C-cell hyperplasia in the human thyroid (March), 388
- Ginsburg CH, McCluskey RT, Nepom JT, Takaoki M, Falchuk ZM, Benacerraf B, Greene MI:** Antigen- and receptor-driven regulatory mechanisms. X. The induction and suppression of hapten-specific granulomas (March), 421
- Goldman H:** See Seemayer TA, Tannenbaum GS, Goldman H, Colle E, 237
- Goren MB:** See Seggev J, Goren MB, Carr RI, Kirkpatrick CH, 348
- Greene MI:** See Ginsburg CH, McCluskey RT, Nepom JT, Takaoki M, Falchuk ZM, Benacerraf B, Greene MI, 421
- Greene WB:** See Hennis HL, Hennigar GR, Greene WB, Hilton CW, Spector M, 356
- Guttman RD:** See Forbes RDC, Guttman RD, 378
- Halper JP:** See Knowles DM II, Halper JP, 187
- Hennigar GR:** See Hennis HL, Hennigar GR, Greene WB, Hilton CW, Spector M, 356
- Hennis HL, Hennigar GR, Greene WB, Hilton CW, Spector M:** Intratubular calcium phosphate deposition in acute analgesic nephropathy in rabbits (March), 356
- Hilton CW:** See Hennis HL, Hennigar GR, Greene WB, Hilton CW, Spector M, 356
- Holmsen H:** See Meyers KM, Hopkins G, Holmsen H, Benson K, Prieur DJ, 364
- Hopkins G:** See Meyers KM, Hopkins G, Holmsen H, Benson K, Prieur DJ, 364
- Imrie J:** See Sturgess J, Imrie J, 303
- Ishihara T:** See Barnhart GR, Jones M, Ishihara T, Rose DM, Chavez AM, Ferrans VJ, 136
- Jerkovic M:** See Stefansson K, Wollmann R, Jerkovic M, 261
- Johnson AP, Taylor-Robinson D:** ANIMAL MODEL OF HUMAN DISEASE: Chlamydial genital tract infections: Experimental infection of the primate genital tract with *Chlamydia trachomatis* (January), 132
- Jones M:** See Barnhart GR, Jones M, Ishihara T, Rose DM, Chavez AM, Ferrans VJ, 136
- Joris I, Zand T, Majno G:** Hydrodynamic injury of the endothelium in acute aortic stenosis (March), 394
- Kadin ME:** See Kim H, Pangalis GA, Payne BC, Kadin ME, Rappaport H, 204
- Kataoka T:** See Tanaka A, Emori K, Nagao S, Kushima K, Kohashi O, Saitoh M, Kataoka T, 165
- Katayama I:** See Shimizu M, Miura M, Kitahara M, Katayama I, 30
- Kim H, Pangalis GA, Payne BC, Kadin ME, Rappaport H:** Ultrastructural identification of neoplastic histiocytes-monocytes: An application of a newly developed cytochemical technique (February), 204
- Kirkpatrick CH:** See Seggev J, Goren MB, Carr RI, Kirkpatrick CH, 348
- Kitahara M:** See Shimizu M, Miura M, Kitahara M, Katayama I, 30
- Kitamura Y:** See Sonoda T, Tsuyama K, Kitamura Y, Tanooka H, 312
- Knowles DM II, Halper JP:** Human T-cell malignancies: Correlative clinical, histopathologic, immunologic and cytochemical analysis of 23 cases (February), 187
- Kohashi O:** See Tanaka A, Emori K, Nagao S, Kushima K, Kohashi O, Saitoh M, Kataoka T, 165
- Kopp WC:** See Richerson HB, Suelzer MT, Swanson PA, Butler JE, Kopp WC, Rose EF, 409
- Krajewski DV:** See Ts'ao C, Krajewski DV, 1
- Kushima K:** See Tanaka A, Emori K, Nagao S, Kushima K, Kohashi O, Saitoh M, Kataoka T, 165
- Kyriazis AA:** See Kyriazis AP, Kyriazis AA, Scarpelli DG, Fogh J, Rao MS, Lepera R, 250
- Kyriazis AP, Kyriazis AA, Scarpelli DG, Fogh J, Rao MS, Lepera R:** Human pancreatic adenocarcinoma line Capan-1 in tissue culture and the nude mouse: Morphologic, biologic and biochemical characteristics (February), 250
- Langevitch P:** See Shtrasburg S, Pras M, Langevitch P, Gal R, 141
- Lauer LA:** See Boorman GA, Luster MI, Dean JH, Campbell ML, Lauer LA, Talley FA, Wilson RE, Collins MJ, 110
- Lee KP, Trochimowicz HJ:** Metaplastic changes of nasal respiratory epithelium in rats exposed to hexamethylphosphoramide (DMPA) by inhalation (January), 8
- Lepera R:** See Kyriazis AP, Kyriazis AA, Scarpelli DG, Fogh J, Rao MS, Lepera R, 250
- Levi R, Zavecz JH, Burke JA, Becker CG:** Cardiac and pulmonary anaphylaxis in guinea pigs and rabbits induced by glycoprotein isolated from tobacco leaves and cigarette smoke condensate (March), 318
- Lieber CS:** See Nakano M, Lieber CS, 145
- Lipton HL:** See Dal Canto MC, Lipton HL, 20
- Ludwig J:** See Owen CA, Ludwig J, 432
- Luster MI:** See Boorman GA, Luster MI, Dean JH, Campbell ML, Lauer LA, Talley FA, Wilson RE, Collins MJ, 110
- Madri JA, Stenn KS:** Aortic endothelial cell migration: I. matrix requirements and composition (February), 180
- Majno G:** See Joris I, Zand T, Majno G, 394
- Martin R, Cetin Y, Fehm HL, Fahlbusch R, Voigt KH:** Multiple cellular forms of corticotrophs in surgically removed pituitary adenomas and peradenomatous tissue in Cushing's disease (March), 332
- McCluskey RT:** See Ginsburg CH, McCluskey RT, Nepom JT, Takaoki M, Falchuk ZM, Benacerraf B, Greene MI, 421
- Meyers KM, Hopkins G, Holmsen H, Benson K, Prieur DJ:** Ultrastructure of resting and activated storage pool deficient platelets from animals with the Chédiak-Higashi syndrome (March), 364
- Meyrick BO, Reid LM:** Crotalaria-induced pulmonary hypertension: Uptake of ³H-thymidine by the cells of the pulmonary circulation and alveolar walls (January), 84
- Miura M:** See Shimizu M, Miura M, Kitahara M, Katayama I, 30
- Nagao S:** See Tanaka A, Emori K, Nagao S, Kushima K, Kohashi O, Saitoh M, Kataoka T, 165
- Nakano M, Lieber CS:** Ultrastructure of initial stages of

- perivenular fibrosis in alcohol-fed baboons (February), 145
- Narayan K, Cliff WJ:** Morphology of irradiated microvasculature: A combined *in vivo* and electron microscopic study (January), 47
- Nepom JT:** See Ginsburg CH, McCluskey RT, Nepom JT, Takaoki M, Falchuk ZM, Benacerraf B, Greene MI, 421
- Owen CA, Ludwig J:** ANIMAL MODEL OF HUMAN DISEASE: Inherited copper toxicosis in Bedlington terriers: Wilson's disease (hepatolenticular degeneration) (March), 432
- Paasch LH:** See Zook BC, Paasch LH, 435
- Padgett GA:** See Sande RD, Alexander JE, Spencer GR, Padgett GA, Davis WC, 224
- Pangalis GA:** See Kim H, Pangalis GA, Payne BC, Kadin ME, Rappaport H, 204
- Payne BC:** See Kim H, Pangalis GA, Payne BC, Kadin ME, Rappaport H, 204
- Payne CM, Tennican PM:** A quantitative ultrastructural study of peripheral blood lymphocytes containing parallel tubular arrays in Epstein-Barr virus and cytomegalovirus mononucleosis (January), 71
- Peng T-C:** See Gibson WGH, Peng T-C, Croker BP, 388
- Penhale WJ, Ahmed SA:** ANIMAL MODEL OF HUMAN DISEASE: Lymphocytic thyroiditis: Autoimmune thyroiditis in rats induced by thymectomy and irradiation (February), 300
- Phan SH, Thrall RS:** The role of soluble factors in bleomycin-induced pulmonary fibrosis (February), 156
- Pitt MJ:** See Brumbaugh PF, Speer DP, Pitt MJ, 171
- Poon KC:** See Eguchi M, Poon KC, Spicer SS, 95
- Pras M:** See Shtrasburg S, Pras M, Langevitch P, Gal R, 141
- Prieur DJ:** See Meyers KM, Hopkins G, Holmsen H, Benson K, Prieur DJ, 364
- Rao MS:** See Kyriazis AP, Kyriazis AA, Scarpelli DG, Fogh J, Rao MS, Lepera R, 250
- Rappaport H:** See Kim H, Pangalis GA, Payne BC, Kadin ME, Rappaport H, 204
- Reid LM:** See Meyrick BO, Reid LM, 84
- Richerson HB, Suelzer MT, Swanson PA, Butler JE, Kopp WC, Rose EF:** Chronic hypersensitivity pneumonitis produced in the rabbit by the adjuvant effect of inhaled muramyl dipeptide (MDP) (March), 409
- Rose DM:** See Barnhart GR, Jones M, Ishihara T, Rose DM, Chavez AM, Ferrans VJ, 136
- Rose EF:** See Richerson HB, Suelzer MT, Swanson PA, Butler JE, Kopp WC, Rose EF, 409
- Saitoh M:** See Tanaka A, Emori K, Nagao S, Kushima K, Kohashi O, Saitoh M, Kataoka T, 165
- Sande RD, Alexander JE, Spencer GR, Padgett GA, Davis WC:** Dwarfism in Alaskan Malamutes: A disease resembling metaphyseal dysplasia in human beings (February), 224
- Scarpelli DG:** See Kyriazis AP, Kyriazis AA, Scarpelli DG, Fogh J, Rao MS, Lepera R, 250
- Schmidt EV, Smith RE:** ANIMAL MODEL OF HUMAN DISEASE: Skeletal hyperostoses: Viral induction of avian osteopetrosis (February), 297
- Seemayer TA, Tannenbaum GS, Goldman H, Colle E:** Dynamic time course studies of the spontaneously diabetic BB Wistar rat. III. Light microscopic and ultrastructural observations of pancreatic islets of Langerhans (February), 237
- Seger M:** See Wanless IR, Bernier V, Seger M, 63
- Seggev J, Goren MB, Carr RI, Kirkpatrick CH:** Interstitial and hemorrhagic pneumonitis induced by mycobacterial trehalose dimycolate (March), 348
- Shimizu M, Miura M, Kitahara M, Katayama I:** Non-Hodgkin's lymphomas: Analysis of 109 Japanese cases with the use of LSGJ classification (January), 30
- Shtrasburg S, Pras M, Langevitch P, Gal R:** Demonstration of AA-protein in formalin-fixed, paraffin-embedded tissues (February), 141
- Smith RE:** See Schmidt EV, Smith RE, 297
- Sonoda T, Tsuyama K, Kitamura Y, Tanooka H:** Different effects of dimethylbenzanthracene and tetradecanoylphorbol acetate on differentiation of mast cells in the skin of mice (March), 312
- Spector M:** See Hennis HL, Hennigar GR, Greene WB, Hilton CW, Spector M, 356
- Speer DP:** See Brumbaugh PF, Speer DP, Pitt MJ, 171
- Spencer GR:** See Sande RD, Alexander JE, Spencer GR, Padgett GA, Davis WC, 224
- Spicer SS:** See Eguchi M, Poon KC, Spicer SS, 95
- Stefansson K, Wollmann R, Jerkovic M:** S-100 protein in soft-tissue tumors derived from Schwann cells and melanocytes (February), 261
- Stenn KS:** See Madri JA, Stenn KS, 180
- Strauss W:** See Bronson RT, Strauss W, Wheeler W, 342
- Sturgess J, Imrie J:** Quantitative evaluation of the development of tracheal submucosal glands in infants with cystic fibrosis and control infants (March), 303
- Suelzer MT:** See Richerson HB, Suelzer MT, Swanson PA, Butler JE, Kopp WC, Rose EF, 409
- Swanson PA:** See Richerson HB, Suelzer MT, Swanson PA, Butler JE, Kopp WC, Rose EF, 409
- Takaoki M:** See Ginsburg CH, McCluskey RT, Nepom JT, Takaoki M, Falchuk ZM, Benacerraf B, Greene MI, 421
- Talley FA:** See Boorman GA, Luster MI, Dean JH, Campbell ML, Lauer LA, Talley FA, Wilson RE, Collins MH, 110
- Tanaka A, Emori K, Nagao S, Kushima K, Kohashi O, Saitoh M, Kataoka T:** Epithelioid granuloma formation requiring no T-cell function (February), 165
- Tannenbaum GS:** See Seemayer TA, Tannenbaum GS, Goldman H, Colle E, 237
- Tanooka H:** See Sonoda T, Tsuyama K, Kitamura Y, Tanooka H, 312
- Taylor-Robinson D:** See Johnson AP, Taylor-Robinson D, 132
- Tennican PM:** See Payne CM, Tennican PM, 71
- Thrall RS:** See Phan SH, Thrall RS, 156
- Trochimowicz HJ:** See Lee KP, Trochimowicz HJ, 8
- Ts'ao C, Krajewski DV:** Effect of dextran on platelet activation by polymerizing fibrin (January), 1
- Tsuyama K:** See Sonoda T, Tsuyama K, Kitamura Y, Tanooka H, 312
- Valdes-Dapena M:** SPECIAL FEATURE: The pathologist and the sudden infant death syndrome (January), 118
- Voigt KH:** See Martin R, Cetin Y, Fehm HL, Fehlbusch R, Voigt KH, 332
- Wanless IR, Bernier V, Seger M:** Intrahepatic portal vein sclerosis in patients without a history of liver disease: An autopsy study (January), 63
- Wheeler W:** See Bronson RT, Strauss W, Wheeler W, 342
- Wilson RE:** See Boorman GA, Luster MI, Dean JH, Campbell ML, Lauer LA, Ta-Ley FA, Wilson RE, Collins MH, 110
- Wollmann R:** See Stefansson K, Wollmann R, Jerkovic M, 261
- Zand T:** See Joris I, Zand T, Majno G, 394
- Zavec JH:** See Levi R, Zavec JH, Burke JA, Becker CG, 318
- Zook BC, Paasch LH:** ANIMAL MODEL OF HUMAN DISEASE: Endocardial fibroelastosis in Burmese cats (March), 435

The American Journal of PATHOLOGY

OFFICIAL JOURNAL OF
THE AMERICAN ASSOCIATION OF PATHOLOGISTS

Volume 106, 1982

(January Through March)

BOARD OF EDITORS

Donald B. Hackel, Editor-in-Chief
F. Stephen Vogel, Associate Editor

Dolph O. Adams
Raymond D. Adams
Carl G. Becker
Frederick F. Becker
Baruj Benacerraf
Kurt Benirschke
Colin Bloor
Joel G. Brunson
L. Maximilian Buja
John E. Craighead
Frank J. Dixon, Jr.
Thomas S. Edgington
John T. Ellis
Emmanuel Farber
Frank W. Fitch
Patrick J. Fitzgerald
David G. Freiman

Godfrey S. Getz
Thomas J. Gill III
Gabriel Godman
John B. Hazard
T. Carl Jones
Michael Kashgarian
Werner H. Kirsten
Paul Kotin
Marvin S. Kuschner
Michael W. Lieberman
Guido Majno
A. Rees Midgley, Jr.
Donald G. McKay
Councilman Morgan
Richard L. Naeye
Peter Nowell

Carl W. Pierce
Henry C. Pitot
Alan S. Rabson
Norman B. Ratliff, Jr.
Edward P. Richardson, Jr.
Goetz W. Richter
Russell Ross
David T. Rowlands, Jr.
Herschel Sidransky
Edward A. Smuckler
Leon Sokoloff
Benjamin H. Spargo
Lewis Thomas
W. M. Thurlbeck
Peter A. Ward
Noel L. Warner
Dorothea Zucker-Franklin

Editorial Assistant: Sara Lyon

EIGHTY YEARS OF PUBLICATION

THE AMERICAN ASSOCIATION of PATHOLOGISTS

COPYRIGHT © 1982

BY THE AMERICAN ASSOCIATION OF PATHOLOGISTS

The American Journal of PATHOLOGY

CONTENTS FOR VOLUME 106, 1982

January 1982

- 1 Effect of Dextran on Platelet Activation by Polymerizing Fibrin
Chung-Hsin Ts'ao and Diane V. Krajewski
- 8 Metaplastic Changes of Nasal Respiratory Epithelium in Rats Exposed to Hexamethylphosphoramide (HMPA) by Inhalation
K. P. Lee and H. J. Trochimowicz
- 20 Ultrastructural Immunohistochemical Localization of Virus in Acute and Chronic Demyelinating Theiler's Virus Infection
Mauro C. Dal Canto and Howard L. Lipton
- 30 Non-Hodgkin's Lymphomas: Analysis of 109 Japanese Cases With the Use of LSGJ Classification
Masaki Shimizu, Myota Miura, Mitsuo Kitahara, and Isao Katayama
- 40 Effects of Irradiation on Macrophagic Response and Transport of Particles Across the Alveolar Epithelium
Ian Y. R. Adamson and Drummond H. Bowden
- 47 Morphology of Irradiated Microvasculature: A Combined In Vivo and Electron Microscopic Study
Kailash Narayan and Walter J. Cliff
- 63 Intrahepatic Portal Vein Sclerosis in Patients Without a History of Liver Disease: An Autopsy Study
Ian R. Wanless, Vincent Bernier, and Monica Seger
- 71 A Quantitative Ultrastructural Study of Peripheral Blood Lymphocytes Containing Parallel Tubular Arrays in Epstein-Barr Virus and Cytomegalovirus Mononucleosis
Claire M. Payne and Patrick M. Tennican
- 84 Crotalaria-Induced Pulmonary Hypertension: Uptake of ³H-Thymidine by the Cells of the Pulmonary Circulation and Alveolar Walls
Barbara O. Meyrick and Lynne M. Reid
- 95 Alterations in the Proximal Nephron of Beige Mice With the Chédiak-Higashi Syndrome
M. Eguchi, K. C. Poon, and S. S. Spicer
- 110 Peritoneal and Macrophage Alterations Caused by Naturally Occurring Mouse Hepatitis Virus
Gary A. Boorman, Michael I. Luster, Jack H. Dean, M. Lucilla Campbell, Lloyd A. Lauer, Fred A. Talley, Ralph E. Wilson, and Michael J. Collins
- 118 **Special Feature:** The Pathologist and the Sudden Infant Death Syndrome
Marie Valdes-Dapena
- 132 **Animal Model of Human Disease:** Chlamydial Genital Tract Infections: Experimental Infection of the Primate Genital Tract With *Chlamydia trachomatis*
A. P. Johnson and D. Taylor-Robinson
- 136 **Animal Model of Human Disease:** Degeneration and Calcification of Bioprosthetic Cardiac Valves: Bioprosthetic Tricuspid Valve Implantation in Sheep
Glenn R. Barnhart, Michael Jones, Tokuhiko Ishihara, Daniel M. Rose, Altigracia M. Chavez, and Victor J. Ferrans

February 1982

- 141 Demonstration of AA-Protein in Formalin-Fixed, Paraffin-Embedded Tissues
S. Shtratsburg, M. Pras, P. Langevitch, and R. Gal
- 145 Ultrastructure of Initial Stages of Perivenular Fibrosis in Alcohol-Fed Baboons
Masayuki Nakano and Charles S. Lieber
- 156 The Role of Soluble Factors in Bleomycin-Induced Pulmonary Fibrosis
Sem H. Phan and Roger S. Thrall
- 165 Epithelioid Granuloma Formation Requiring No T-Cell Function
Atsushi Tanaka, Kohzoh Emori, Shigeki Nagao, Kohji Kushima, Osamu Kohashi, Muneo Saitoh, and Tetsuro Kataoka
- 171 $1\alpha,25$ -Dihydroxyvitamin D_3 : A Metabolite of Vitamin D That Promotes Bone Repair
Peter F. Brumbaugh, Donald P. Speer, and Michael J. Pitt
- 180 Aortic Endothelial Cell Migration: I. Matrix Requirements and Composition
Joseph A. Madri and Kurt S. Stenn
- 187 Human T-Cell Malignancies: Correlative Clinical, Histopathologic, Immunologic, and Cytochemical Analysis of 23 Cases
Daniel M. Knowles II and James P. Halper
- 204 Ultrastructural Identification of Neoplastic Histiocytes-Monocytes: An Application of a Newly Developed Cytochemical Technique
Hun Kim, Gerassimos A. Pangalis, Bruce C. Payne, Marshall E. Kadin, and Henry Rappaport
- 224 Dwarfism in Alaskan Malamutes: A Disease Resembling Metaphyseal Dysplasia in Human Beings
Ronald D. Sande, John E. Alexander, G. Roger Spencer, George A. Padgett, and William C. Davis
- 237 Dynamic Time Course Studies of the Spontaneously Diabetic BB Wistar Rat: III. Light-Microscopic and Ultrastructural Observations of Pancreatic Islets of Langerhans
Thomas A. Seemayer, Gloria S. Tannenbaum, Hy Goldman, and Eleanor Colle
- 250 Human Pancreatic Adenocarcinoma Line Capan-I in Tissue Culture and the Nude Mouse: Morphologic, Biologic, and Biochemical Characteristics
Andreas P. Kyriazis, Aikaterini A. Kyriazis, Dante G. Scarpelli, Jorgen Fogh, M. Sambasiva Rao, and Ross Lepera
- 261 S-100 Protein in Soft-Tissue Tumors Derived From Schwann Cells and Melanocytes
K. Stefansson, R. Wollmann, and M. Jerkovic
- 269 REVIEW ARTICLE: Chemical Carcinogenesis: A Biologic Perspective
Emmanuel Farber
- 297 **Animal Model of Human Disease:** Skeletal Hyperostoses: Viral Induction of Avian Osteopetrosis
Emmett V. Schmidt and Ralph E. Smith
- 300 **Animal Model of Human Disease:** Lymphocytic Thyroiditis: Autoimmune Thyroiditis in Rats Induced by Thymectomy and Irradiation
W. J. Penhale and S. Ansar Ahmed

March 1982

- 303 Quantitative Evaluation of the Development of Tracheal Submucosal Glands in Infants With Cystic Fibrosis and Control Infants
Jennifer Sturgess and John Imrie

- 312 Different Effects of Dimethylbenz(α)anthracene and Tetradecanoylphorbol Acetate on Differentiation of Mast Cells in the Skin of Mice
Takashi Sonoda, Kenichiro Tsuyama, Yukihiro Kitamura, and Hiroshi Tanooka
- 318 Cardiac and Pulmonary Anaphylaxis in Guinea Pigs and Rabbits Induced by Glycoprotein Isolated from Tobacco Leaves and Cigarette Smoke Condensate
Roberto Levi, James H. Zavecz, James A. Burke, and Carl G. Becker
- 326 The Characterization of Trypan Blue-Induced Tumors in Wistar Rats
R. J. Ford and F. F. Becker
- 332 Multiple Cellular Forms of Corticotrophs in Surgically Removed Pituitary Adenomas and Periadrenomatous Tissue in Cushing's Disease
R. Martin, Y. Cetin, H. L. Fehm, R. Fahlbusch, and K. H. Voigt
- 342 Pancreatic Ectasia in Uremic Macaques
Roderick T. Bronson, William Strauss, and Wendy Wheeler
- 348 Interstitial and Hemorrhagic Pneumonitis Induced by Mycobacterial Trehalose Dimycolate
Joram Seggev, Mayer B. Goren, Ronald I. Carr, and Charles H. Kirkpatrick
- 356 Intratubular Calcium Phosphate Deposition in Acute Analgesic Nephropathy in Rabbits
Hugh L. Hennis, Gordon R. Hennigar, William B. Greene, Cynthia W. Hilton, and Myron Spector
- 364 Ultrastructure of Resting and Activated Storage Pool Deficient Platelets From Animals With the Chédiak-Higashi Syndrome
Kenneth M. Meyers, Gary Hopkins, Holm Holmsen, Karen Benson, and David J. Prieur
- 378 Evidence for Complement-Induced Endothelial Injury *In Vivo*: A Comparative Ultrastructural Tracer Study in a Controlled Model of Hyperacute Rat Cardiac Allograft Rejection
R.D.C. Forbes and R. D. Guttman
- 388 Age-Associated C-Cell Hyperplasia in the Human Thyroid
William G. H. Gibson, Tai-Chan Peng, and Byron P. Croker
- 394 Hydrodynamic Injury of the Endothelium in Acute Aortic Stenosis
Isabelle Joris, Thomas Zand, and Guido Majno
- 409 Chronic Hypersensitivity Pneumonitis Produced in the Rabbit by the Adjuvant Effect of Inhaled Muramyl Dipeptide (MDP)
Hal B. Richerson, Michael T. Suelzer, Priscilla A. Swanson, John E. Butler, William C. Kopp, and Earl F. Rose
- 421 Antigen- and Receptor-Driven Regulatory Mechanisms: X. The Induction and Suppression of Hapten-Specific Granulomas
Carla H. Ginsburg, Robert T. McCluskey, Jerry T. Nepom, Muneo Takaoki, Z. Myron Falchuk, Baruj Benacerraf, and Mark I. Greene
- 432 **Animal Model of Human Disease:** Inherited Copper Toxicosis in Bedlington Terriers: Wilson's Disease (Hepatolenticular Degeneration)
C. A. Owen, Jr. and Jurgen Ludwig
- 435 **Animal Model of Human Disease:** Endocardial Fibroelastosis: Endocardial Fibroelastosis in Burmese Cats
B. C. Zook and L. H. Paasch
- 439 Index of Subjects
- 441 Index of Authors

